

## ABSTRACT

An improved structure of a gas sensor is provided which has a cylindrical elastic insulator through which lead wires coupled to

5 an external device such as a controller pass and connect with electrode terminals of a sensor element. The elastic insulator has formed therein a plurality of holes through which the lead wires pass. One of the holes is formed on a longitudinal center line of the elastic insulator. The other holes are arranged around the center one.

10 This arrangement allows a large number of holes to be formed in the elastic insulator without sacrificing mechanical properties of the insulator such as strength, elasticity, etc.